

Road 80 Timber Sale

SUMMARY OF SALE INFORMATION

Bid Date:	April 30, 2013	Estimated Net Volume:	2,811 MBF
Minimum Bid:		THP Number:	1-12-107 MEN
Redwood	\$410 /Mbf	Information:	Dave Derby
Fixed Price:		Phone:	(707) 964-5674
Douglas-fir	\$40 /Mbf	Date:	3/26/2013
Whitewoods	\$20 /Mbf		

Table 1. Estimated Total Volume to be Harvested (Bf)

Species	Gross	Net	% Defect & Breakage	% Comp.
Redwood	2,305,971	2,006,190	13%	71.4%
Douglas-fir	886,144	770,950	13%	27.4%
Whitewoods	38,167	33,970	11%	1.2%
Totals	3,230,282	2,811,110		100%

Table 2a. Estimated Volume, Cable (Bf) 89%

Species	Gross	Net
Redwood	2,097,121	1,824,490
Douglas-fir	801,886	697,640
Whitewoods	30,295	26,960
Totals	2,929,301	2,549,090

Table 2b. Estimated Volume, Tractor and ROW (Bf) 11%

Species	Gross	Net
Redwood	208,850	181,700
Douglas-fir	84,258	73,300
Whitewoods	7,873	7,010
Totals	300,980	262,010

Table 3. Estimated Acreage

	Plan acres	NSO Buffer	Other No Harvest Buffers	Net acres
Cable	206			206
Tractor	25			25
WLPZ	57		57	0
Totals	288			231

Table 4. QMD by Species (not including estimated cable corridor volume ~12%)

Species	
Redwood	32.4
Douglas-fir	35.1
Whitewoods	28.0

GENERAL INFORMATION

The list below is not intended to be all inclusive and all requirements of the Road 80 Timber Harvest Plan (1-12-107 MEN) apply. Copies of Sections I and II of the THP as well as Major Amendment #1 are available by request from the State Forest headquarters or available via the internet, ftp://thp.fire.ca.gov/THPLibrary/North_Coast_Region/THPs2012/1-12-107MEN/ Road 80 THP (1-12-107MEN). One complete copy will be provided to the LTO.

TIMBER HARVESTING PLAN

Item 14d: All harvest trees are marked with blue paint. This includes hardwoods which must be harvested.

Unmarked trees may be felled in the following situations:

- 1) To provide safe operating corridors for skyline cable operations. See CABLE CLEARANCE TREES below, Item 14g.
- 2) To provide stumps for cable-rigging purposes.
- 3) Compliance with Title 8 CCR, Logging and Sawmill Safety Orders.
- 4) As described in Item 14(g) below for damaged trees.

Item 14f: All hardwoods marked within the plan area are to be felled, topped, and may be removed on request.

Slash at tractor landings is to be spread on skid trails and packed with tractors. Slash at cable landings will be disposed of as directed by the Timber Sale Officer.

Item 14g: Trees Substantially Damaged By Logging Activities: Damaged trees may not be felled if within a WLPZ, if marked for retention, or if the damaged tree has a cavity potentially used by wildlife. Otherwise, merchantable young growth trees damaged during timber operations shall be felled and yarded as approved and directed by the plan submitter.

Downed Trees: There shall be no cutting or removal of existing unmarked down trees or logs. These logs may be moved if necessary for clearing truck road rights-of-way and as otherwise necessary to harvest the designated timber. If windthrow of merchantable trees occurs in the logging area prior to completion of operations, windthrown trees outside of the WLPZ may be harvested upon approval of the plan submitter.

Cable Clearance Trees: Any tree (within the THP area only) may be harvested/felled if necessary for cable clearance, except for trees located within a WLPZ. Trees located within a WLPZ shall not be felled for cable corridors unless they directly impact the safety of cable yarding operations. These trees felled for safety may be harvested. No trees located within the channel zone of a class I or II watercourse may be felled for cable clearance. Compliance with all other applicable Forest Practice Rules and requirements in the THP is required.

Item 15: SOD Compliance: LTO is responsible for ensuring all vehicles are free from regulated host material. If logs will be delivered to a destination other than stated a minor amendment is required.

Item 16: With prior approval of the Plan Submitter's designee, the LTO may cable yard any area designated for ground based yarding provided it will afford equal or greater protection to the soil and residual stand.

Item 18: Soil stabilization treatments required under item 18 will be accomplished with weed free straw. In the THP the coverage rate states at least 90% of the surface to a depth of at least three inches. However, the requirement stated in the Timber Sale Contract shall be met: 95% surface coverage to a depth of at least four inches.

Traveled surfaces of logging roads shall be treated for dust abatement and kept in firm condition.

Restrictions for geology map points 1, 2, 3 and 6. Geology map point 6 requires a pre-construction field meeting between the RPF and geologist approval of cable corridors.

All waterbreaks shall be installed no later than the beginning of the winter period of the current year of timber operations.

Installation of drainage facilities and structures is required from October 15 to November 15 and from April 1 to May 1 on all constructed skid trails and tractor roads prior to sunset if the National Weather Service forecast is a "chance" (30% or more) of rain within the next 24 hours.

Item 21: All tractor operation restrictions apply

Item 23: Year-round wet weather restrictions apply and shall be adhered to.

A winter operating plan is included in item 23 and shall be adhered to.

Mid-Winter Period operations are allowed; see Item 23 and Major Amendment #1 which allows for hauling and yarding on rocked roads. Tractor yarding and operations within Geology Points 1, 2 and 3 are prohibited in the mid-winter period.

Item 25: The THP contains road related map points which include Geology map point 6 and temporary crossings.

Item 26: No trees have been marked for harvest within the WLPZ. See item 14 for cable corridor trees.

There is a water drafting plan and a 1603 permit. Water drafting sites approved for use include WD3 (South Fork Noyo River west of Parlin Fork Camp) and WD4 (Class II manmade pond on road 500).

Item 32: No timber operations shall occur until Northern Spotted Owl (NSO) protocol surveys have been completed for the current, and/or immediately preceding survey period, the results have been provided to CAL FIRE to be evaluated for consistency with the plan and the protocol, and the results have been amended into the plan.

Item 33: All snags within the timber harvest area shall be retained with the exception of snags that pose a fire or safety hazard. If the LTO determines a snag to be a hazard, the LTO has the option to fall the snag for safety purposes.

Item 36: A meeting is required prior to operations.

TIMBER SALE AGREEMENT

Page Item Description

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| 3 | 2D | All timber scaled by "third party" scaling organization, using Revised Scribner Decimal C Log Rule. |
| 3 | 3A | all merchantable timber designated for cutting shall be paid for, cut and delivered on or before June 30, 2014. This date may be extended or the required volume may be adjusted mutually by the STATE and the PURCHASER due to unforeseen circumstances. All other timber operations must be completed by November 15, 2014. This Agreement shall terminate on November 15, 2014, by which date all requirements of the Agreement must be completed. |
| 3 | 3B | Notification and permission is required for operations on weekends or State holidays |
| 5 | 7 | Production and cost data with respect to all timber harvesting operations and other forestry activities. Required data includes person-hours and equipment-hours spent on each activity, and applicable rates for employees, machines and supervision, and costs for any materials or services needed for completion of activities.

Daily water use data with respect to water drafting activities shall be provided. |
| 5 | 8 | Domestic Processing of timber required. |
| 6 | 10 | The minimum log dimensions for utilization is 10 feet in length and 8 inches in small-end diameter. |
| 6 | 11B | Payment for scaling and reporting services performed by the scaling organization shall be made by the Purchaser. |
| 7 | 11I | At least three loads scaled within the previous five operating days shall be left rolled out in the mill yard where scaled to facilitate check scaling, unless otherwise approved by the Sale Officer. |
| 8 | 11J | Conduct a minimum of one check scale per month per scaler by the scaling organization, during the operating season, to document scaler proficiency. |
| 9 | 11P | Weekly reports of faller days and volume by unit. This information to be available for collection by the Timber Sale Officer or delivered to State Forest HQ no later than the following Tuesday. |
| 10 | 13A | All terms, provisions and requirements of the Forest Practice Rules and the Timber Harvesting Plan (1-12-107 MEN) are made part of the Timber Sale Agreement.

Upon completion of operations satisfactory to the Timber Sale Officer, the operator shall certify by letter to the STATE, all operations are complete and comply with Forest Practice Rules and THP. |
| 10 | 13A1 | A pre-work conference to be attended by representatives of the State and the Purchaser, including subcontractors is required before operations can begin. A logging plan is required to be submitted to the Timber Sale Officer at least two working days prior to the pre-work conference. |

<u>Page</u>	<u>Item</u>	<u>Description</u>
11	13A2	No timber operations shall be conducted after February 1 of any year until the State or the Purchaser has completed required surveys for northern spotted owls, and extension of the No-Take determination has been received from the appropriate reviewing agency.
11	13A3	Flagging of all skid trails required at least two weeks in advance and notify the Timber Sale Officer for approval.
11	13A5	Minimum distance between new skid trails is 100 feet, unless waived by the Sale Officer. Erosion control requirements apply year-round. Erosion control structures shall be installed on all skid trails and temporary or seasonal truck roads within 30 days of completion of their use, or at the end of day if the U.S. Weather Service forecast is a "chance" (30% probability or more) of rain before next working day or at any time that the equipment needed to install such structures leaves the sale area.
12	13A7	Merchantable trees felled and bucked to log lengths, limbed to the 8-inch top, and the top bucked at the time of felling. All hardwood trees felled shall be topped at the time of felling.
12	13A8	All slash created by timber operations within 100 feet of Highway 20 lopped to 24 inches above the ground. Slash within 50 feet of all other roads lopped to 30 inches above the ground.
12	13A9	Maximize the extent of spreading slash to avoid or minimize the need for piling and isolating slash for burning. Logging wastes on landings on permanent and seasonal roads shall be segregated into large materials which can be utilized by firewood cutters. Material at least 8 inches in diameter and 6 feet in length is considered suitable for firewood.
13	13A12	Location of cable corridors will be flagged, mapped and approved by Sale Officer prior to rigging. Distance between cable corridors, no less than 200 feet measured from the back of cable road. Avoid corridors in the Gorse Management Area located in unit B. Specific approval is required to place a corridor in this area.
13	13A13	Corridor width not to exceed 10 feet.
14	13A16	No permanent painted messages. Use temporary signs to be removed once their function is complete.
14	13A20	Mulching standard is at least 95% coverage to a minimum depth of four inches.

<u>Page</u>	<u>Item</u>	<u>Description</u>
14	14	Gorse Management Area identified with yellow and red flagging. The road has been cleared and must be capped with road fabric and rock. The rocked surface needs to be maintained so that the road fabric is not exposed. Vehicles and equipment need to stay on the rocked surface. Corridors need to be avoided in the Gorse Management Area extending down the ridge in unit B. Trees need to be felled away from this area or left if they fall inside of the flagged boundaries.
15	15	Hardwoods marked with blue paint need to be felled and topped.
17	18D	All required culvert installations to be complete prior to log hauling on existing roads prior to November 15 of the first year of operations.
18	18G	Road surface must be treated for dust abatement. The purchaser may use surfacing chemicals for all roads as approved by the Timber Sale Officer.
19	18H	If the STATE cannot provide water for the roads and the Timber Sale Officer directs the purchaser to provide water from an alternative source the STATE will compensate the Purchaser \$200/day that the Purchaser supplied water from an alternative source.
19	18I	The PURCHASER shall provide and apply one application of calcium lignosulfonate (lignin), or an equivalent dust treatment substance acceptable to the STATE as called for by the Timber Sale Officer for dust abatement. The road to be treated is the first 1 mile of road 80 from the intersection of highway 20 and road 80 east to the beginning of unit B. Should the above dust treatment not be called for by the Timber Sale Officer due to timing of operations (late fall/Winter operations). the PURCHASER shall provide, haul and place 124 tons of 1.5" minus coarse crushed rock for road stabilization at locations specified by the Timber Sale Officer.
19	18J	Maintenance work to be done within 15 days of end of hauling operation on each road and immediately on completion of hauling on any road after October 15.
20	18L	The PURCHASER shall provide any culvert or other material needed during the course of the operation for temporary truck road or skid trail watercourse crossings.
20	18M	The PURCHASER shall provide, haul, place and compact 1869 Tons of 1 ½ minus coarse crushed rock and 70 Tons of 8-12 inch rip rap for road stabilization, capping and maintenance work at locations specified by the Timber Sale Officer. This is rock is in addition to and not inclusive of any rock required Item 18 I.
21	21	In addition to required fire tools complement, have available to the sale area for fire suppression purposes a "water wagon" or similar self-propelled vehicle of at least 1,000 gallon capacity.
22		Materials list
23-24		Map Points.

Page Item Description

- 32 1 A deposit of \$24,000 must be submitted with the bid.
- 33 3 Furnish STATE copies of Timber Yield Tax calculations and reporting forms.
- 37 4 Performance security of \$48,000 required prior to contract approval.

Road 80 Flagging Code

Designated Activity	Flagging Color
Timber harvest unit boundary	Solid pink flagging with "Timber Harvest Boundary
Proposed road-grade and centerline	Solid orange with "Truck Road"
Skid trail	Solid yellow with "Skid Trail"
Equipment limitation zone/Equipment Exclusion Zone	Solid red flag with solid white flag
Change in yarding methods	Red and white diagonal stripes
WLPZ-Class II and springs	Blue and white stripe with "Watercourse and Lake Protection Zone"
WLPZ-Class I	Solid blue flagging with Blue and white stripe with "Watercourse and Lake Protection Zone"
Channel Migration Zone-Class I	Blue flag with Pink flag
Class II Watercourse	Blue and white diagonal stripes
Class III Watercourse	Blue and white polka dots
Intersection (i.e. road, skid trail)	Two flags together
End of trail, road or watercourse	Three flags together
Unstable areas, protection zones	Special treatment zone flagging
1000' NSO buffer	Special treatment zone flagging and pink flagging
Existing Culvert	Solid yellow flag with a solid orange flag
Map Point	Solid orange flag with a white flag
Message/note	Pink and black diagonal stripe with a bright colored flag
Cable Road	Solid Red Flag
Gorse Management Area	Slid Red Flag with solid yellow flag